

## **Simulation of the stationary electrochemical surface treatment by two asymmetric cathode plates**

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### **Abstract**

The hydrodynamic analogy method was used to solve the problem of stationary electrochemical shaping with two semi-infinite cathode plates arranged arbitrarily relative to the feed direction. A feature of the problem is the multivalence of the velocity hodograph. © 2012 Pleiades Publishing, Ltd.

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### **Keywords**

boundary-value problem with unknown boundaries, electrochemical machining, hydrodynamic analogy method, multivalent hodograph